

FIG. 1

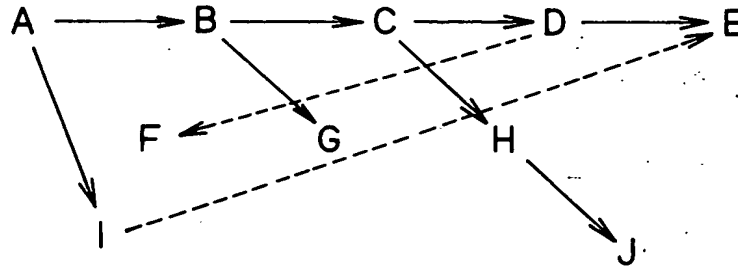


FIG. 2

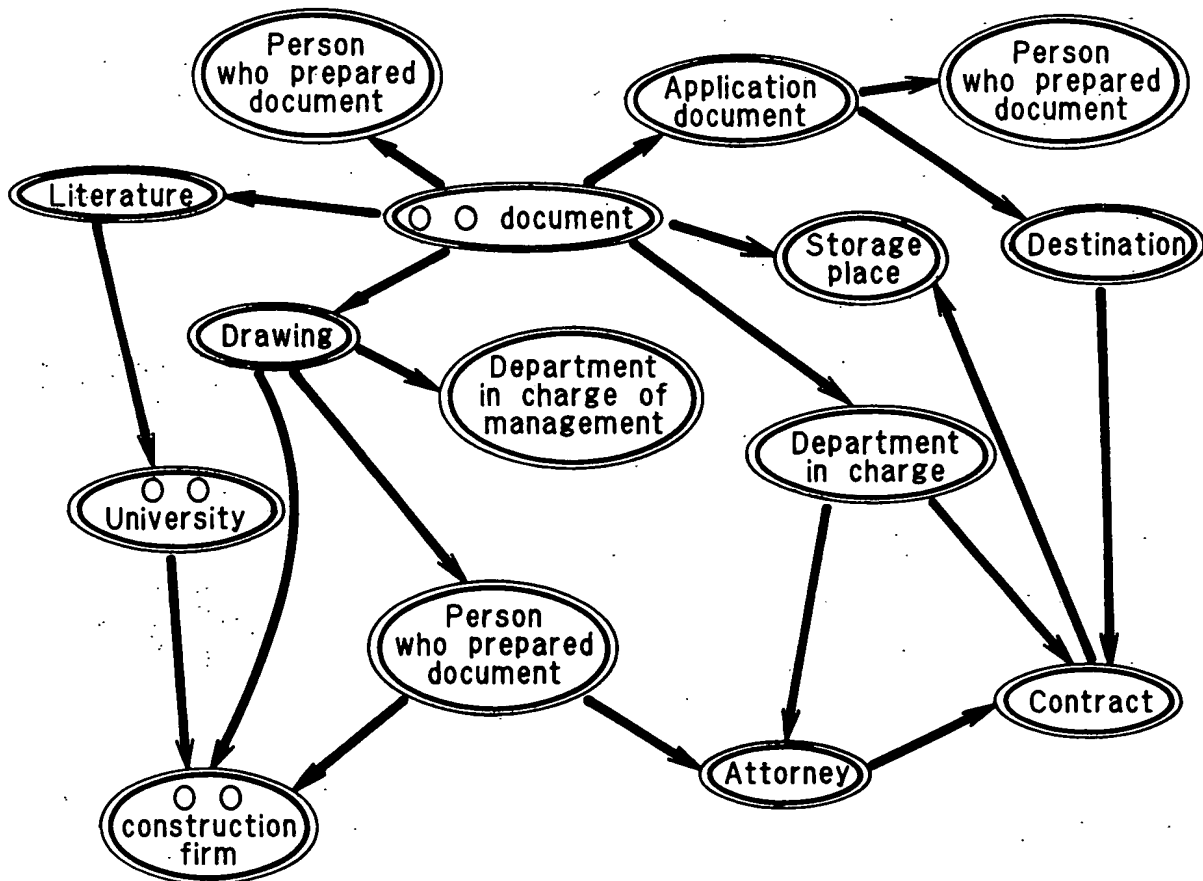


FIG. 3

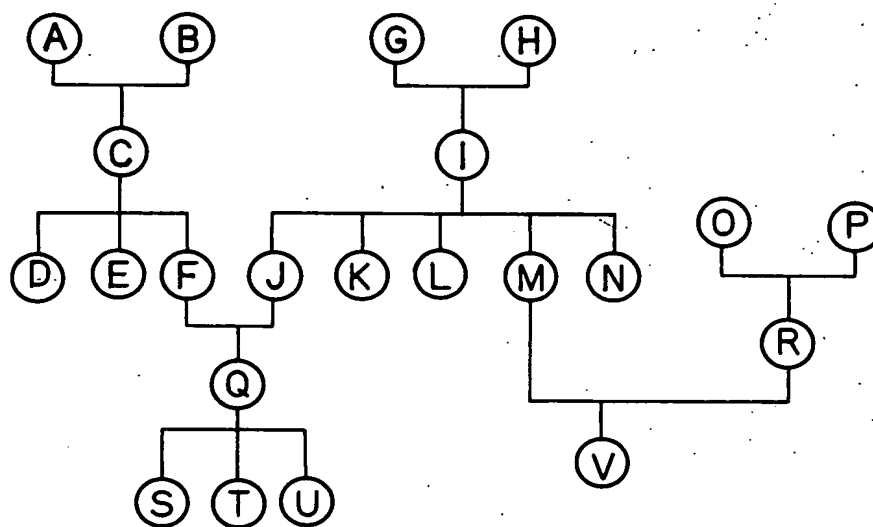


FIG. 4

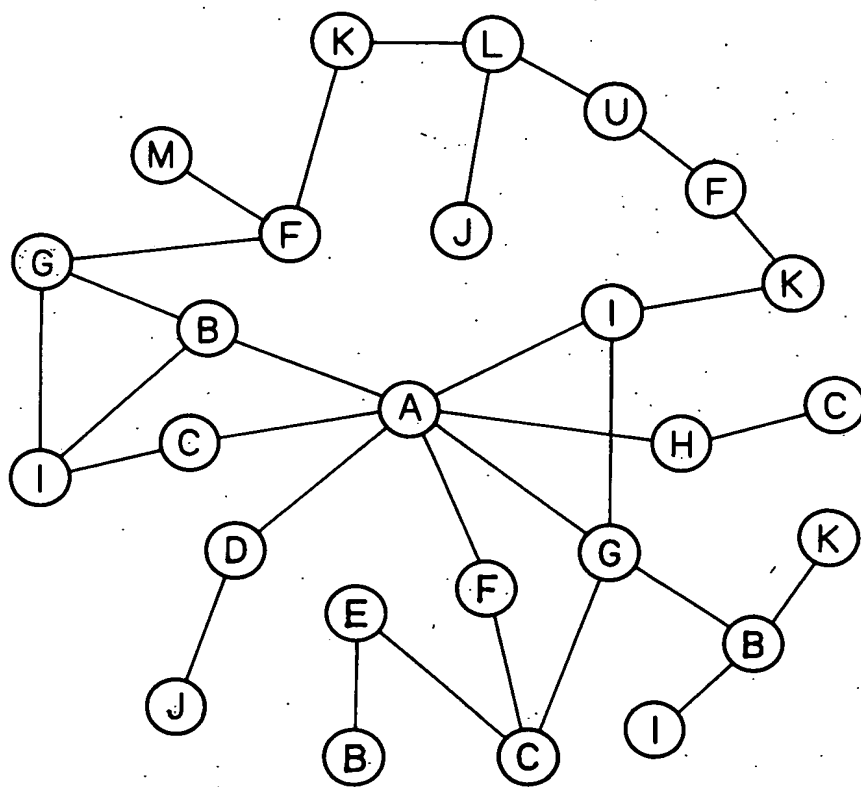


FIG. 5

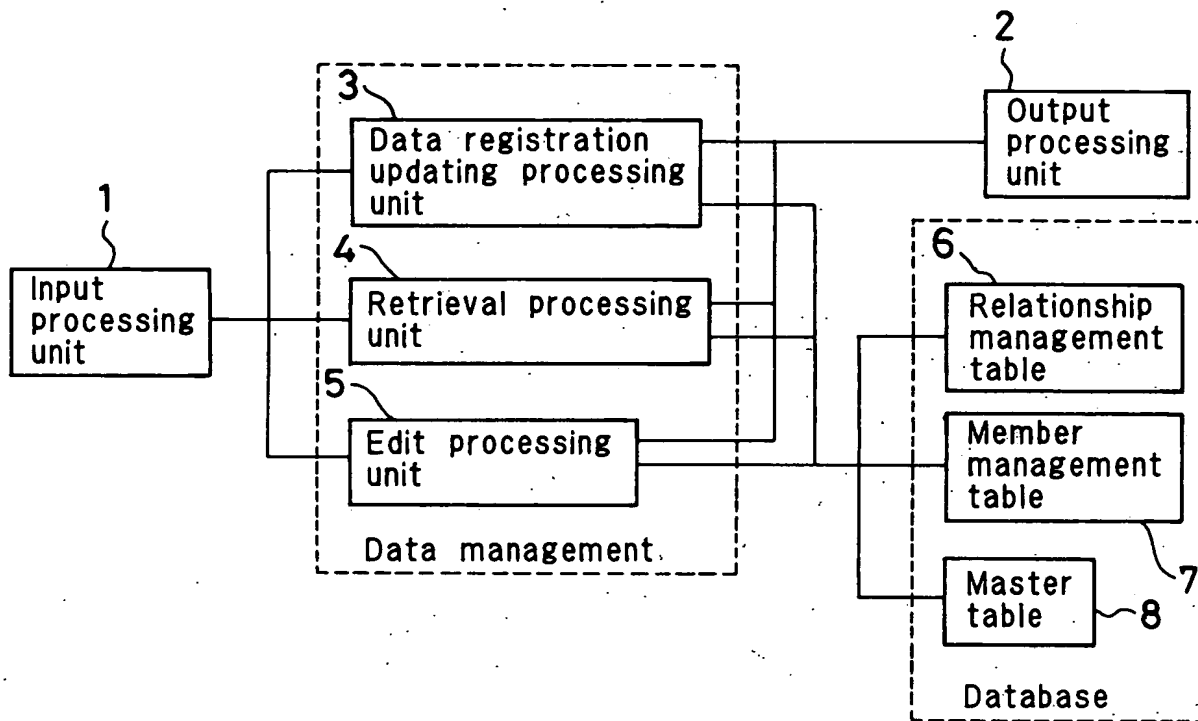


FIG. 6

Identifier		Member detailed information	
Type		Summary	History
Rank			
Classification			
Job type			
Data			

The table is part of a larger diagram showing a data flow. A dashed line extends from the bottom right of the table, indicating a continuation or a specific data path.

FIG. 7

Identifier (parent)	Identifier (child)	Relationship classification

FIG. 8(A) FIG. 8(B) FIG. 8(C)

Table for each type

Member type
Person
Company
Document

Rank table

Rank	Priority rank
Most important	High
Important	Intermediate
Customer A rank	Low

Classification table

Lage classification	Medium classification	Small classification
Tokyo	Shibuya-ku	Ebisu
Head office	General Affairs Dept.	General Affairs Dept.

FIG. 8(D)

FIG. 8(E)

Job type table

Manufacturer
Information service provider
Self-governig body

Relationship classification table

Relationship classification	Priority rank
Superior staff	High
Subordinate staff	Medium

FIG. 9

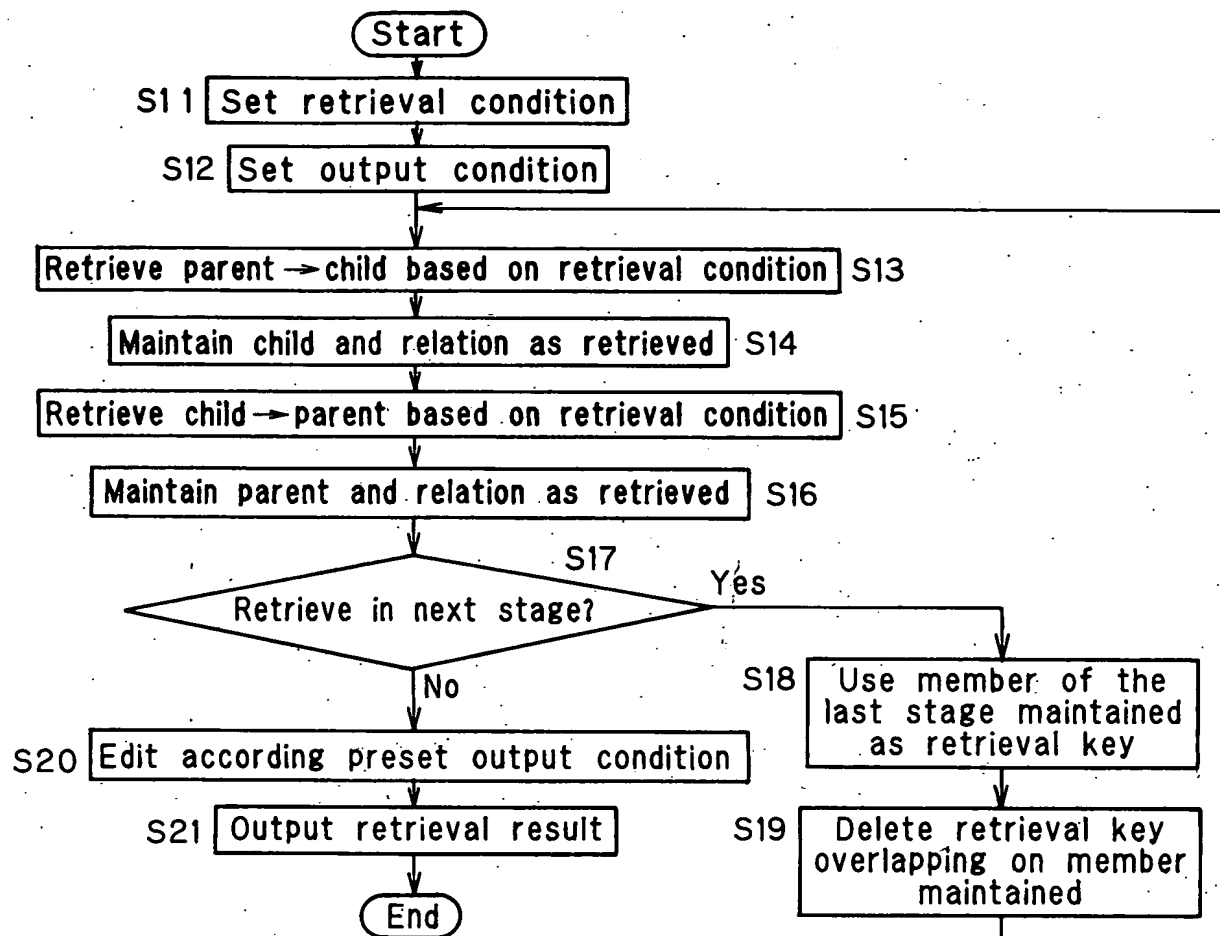


FIG. 10(A)

Member name (ID)	
Type	
Classification	
Rank	
Job type	
Scope of retrieval	

FIG. 10(B)

Parent	
Child	
Color	Parent Child
Relationship	
Mode	
Pattern	

FIG. 11

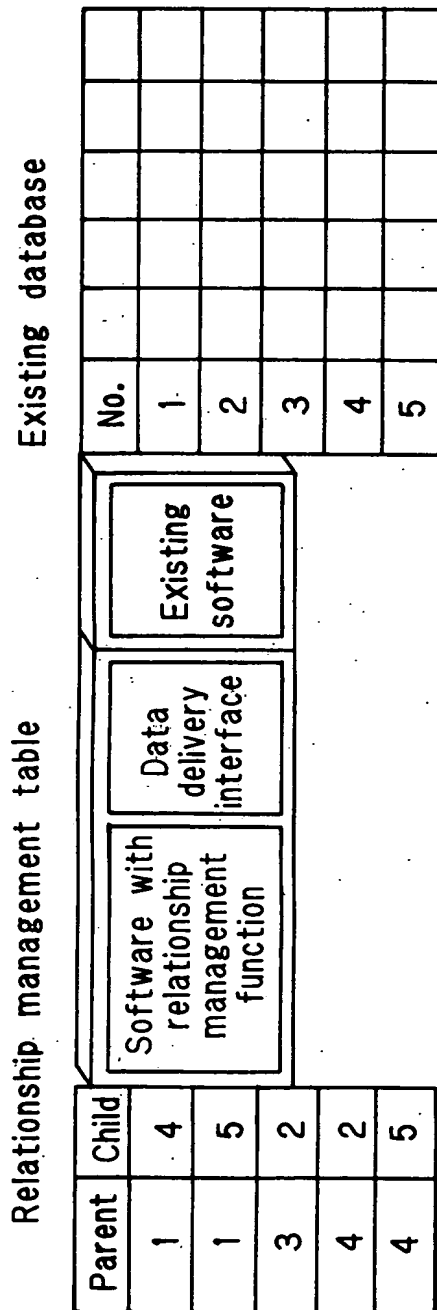


FIG. 12

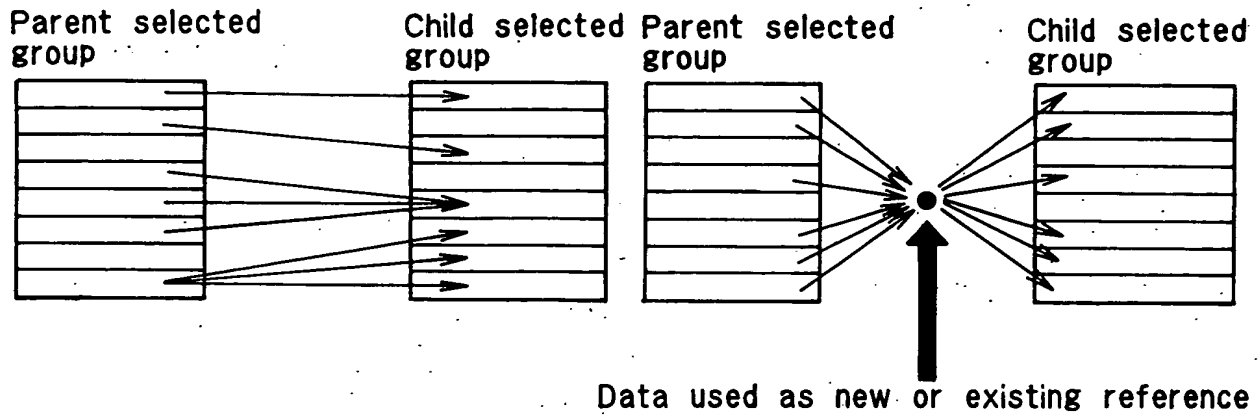


FIG. 13

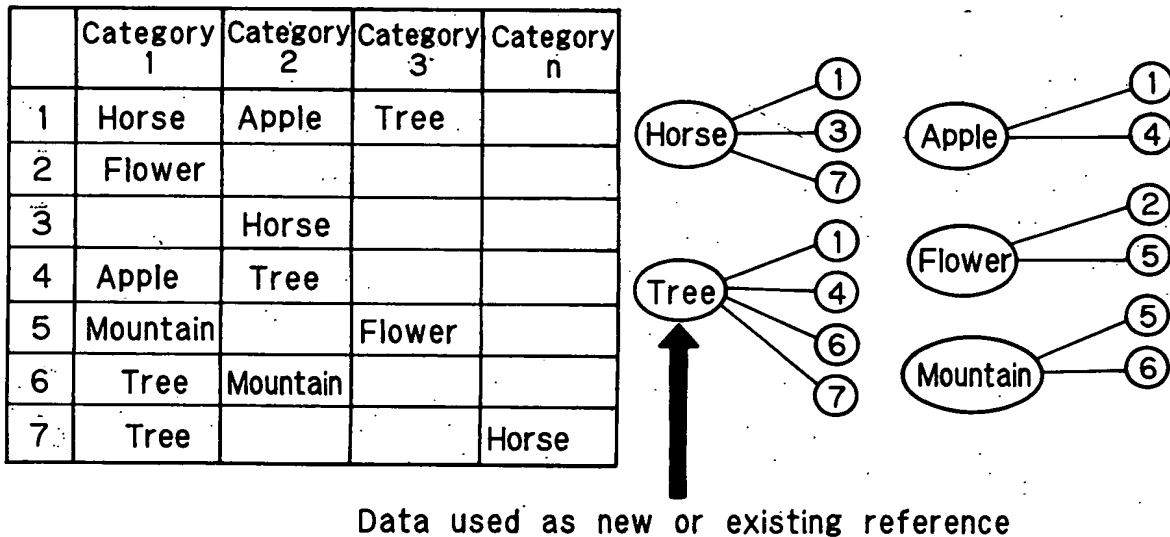


FIG. 14

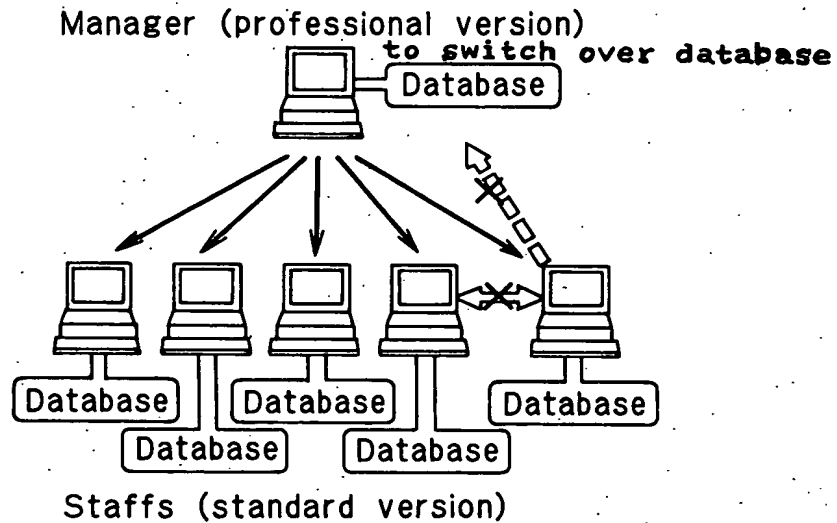
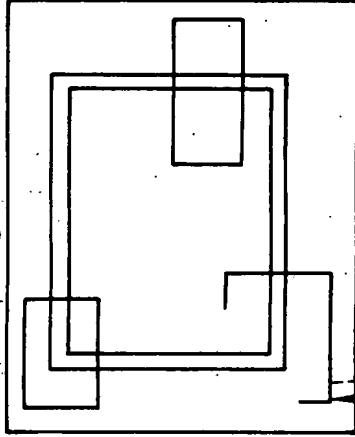


FIG. 15(C)

CAD drawing



File management software

FIG. 15(B)

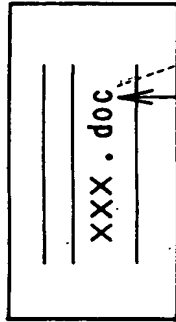


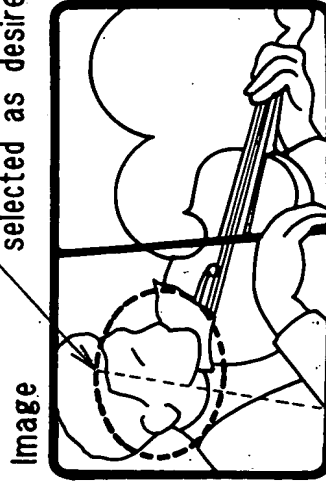
FIG. 15(A)

Table calculation software

A3	Nagasaki		
	A	B	C
1	Fukuoka	123	1
2	Saga	124	23
3	Nagasaki	125	45
4	Ooita	126	67
5	Kumamoto	127	89
6	Miyazaki	128	111
7	Kagosima	129	133

Any object in drawing

FIG. 15(D) The entire image or a portion selected as desired



Any sheet or selected cell

FIG. 15(E)

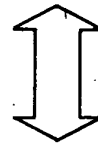
Relationship management table

Parent	Child
1	4
1	5
3	2
4	2
4	5

FIG. 15(F)

Member management table

Identifier	Object or attribute or attribute information
1	
2	
3	
4	
5	



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FIG. 16(A)

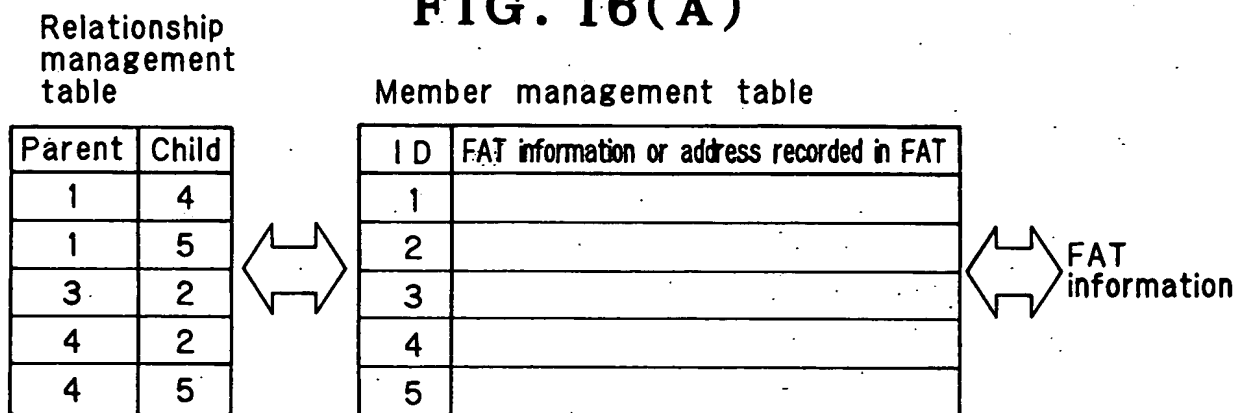


FIG. 16(B)

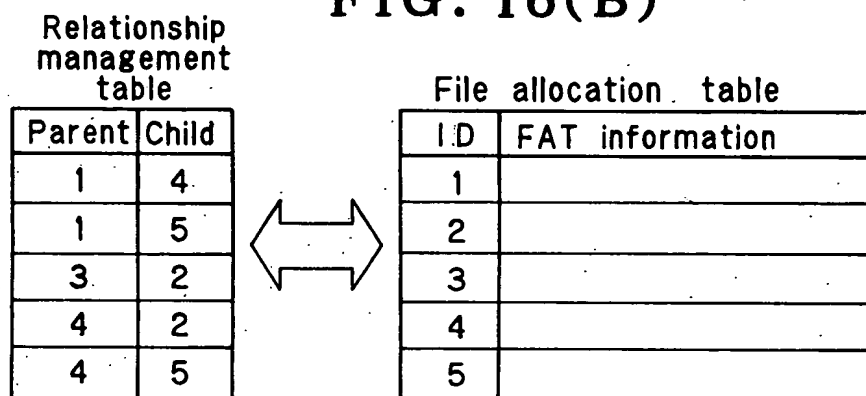


FIG. 16(C)

Relationship management table

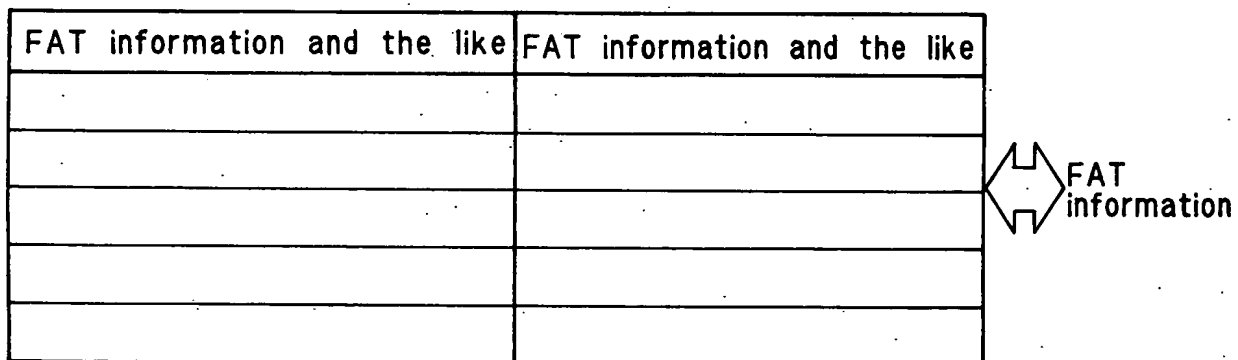


FIG. 17(A)

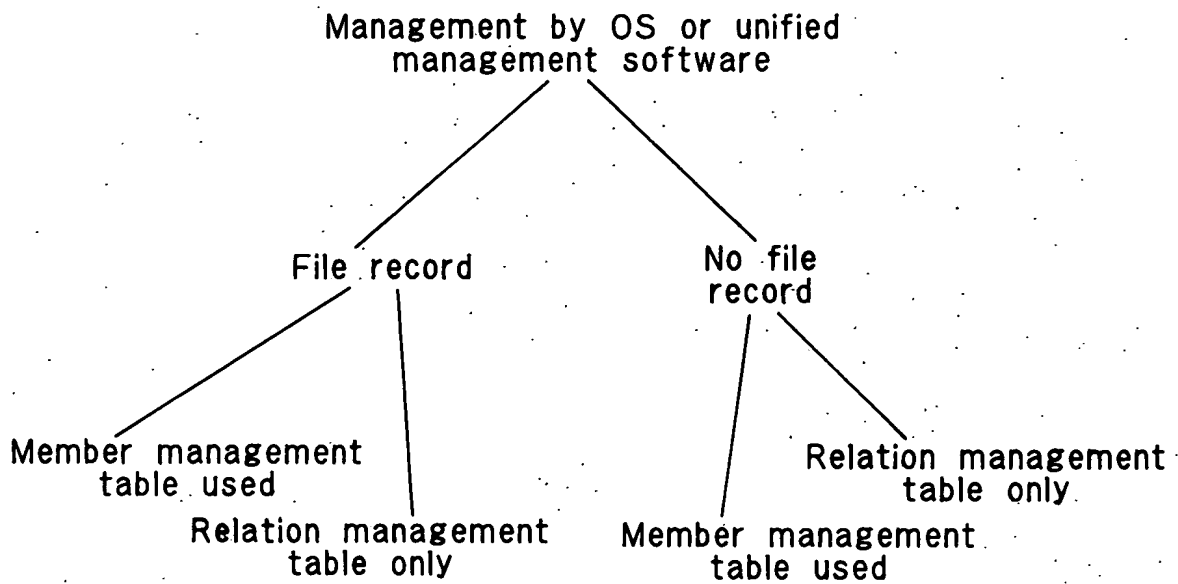


FIG. 17(B)

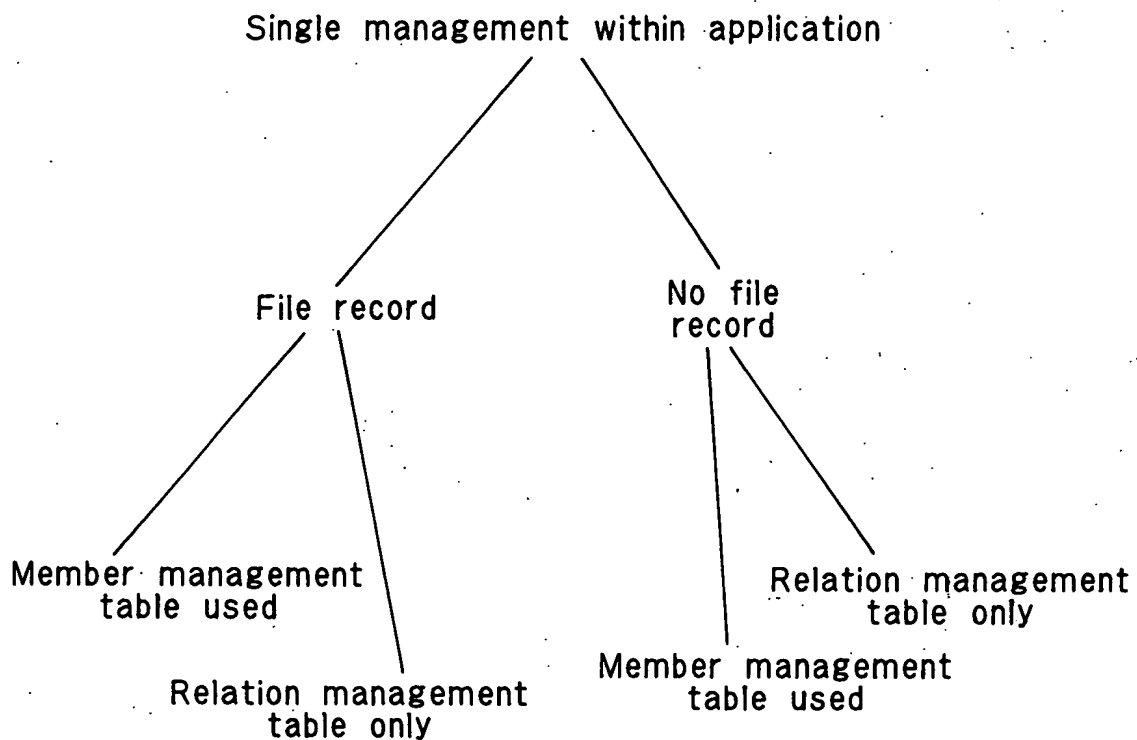
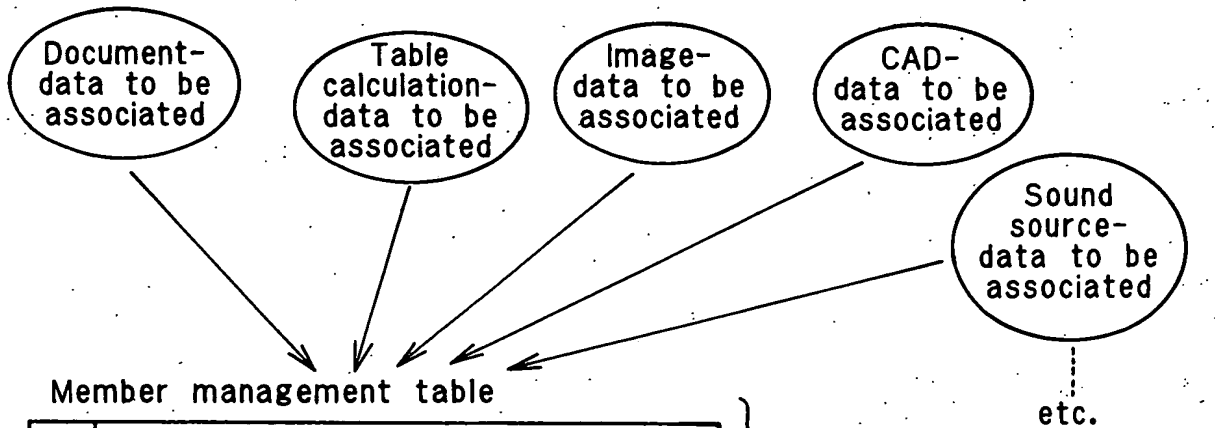


FIG. 18



Member management table

ID	Object or attribute or attribute information
1	
2	
3	
4	
5	

Member management table may not be used if identifiable by relationship management table

Relationship management table

ID or identifiable attribute information	ID or identifiable attribute information

FIG. 19(A)

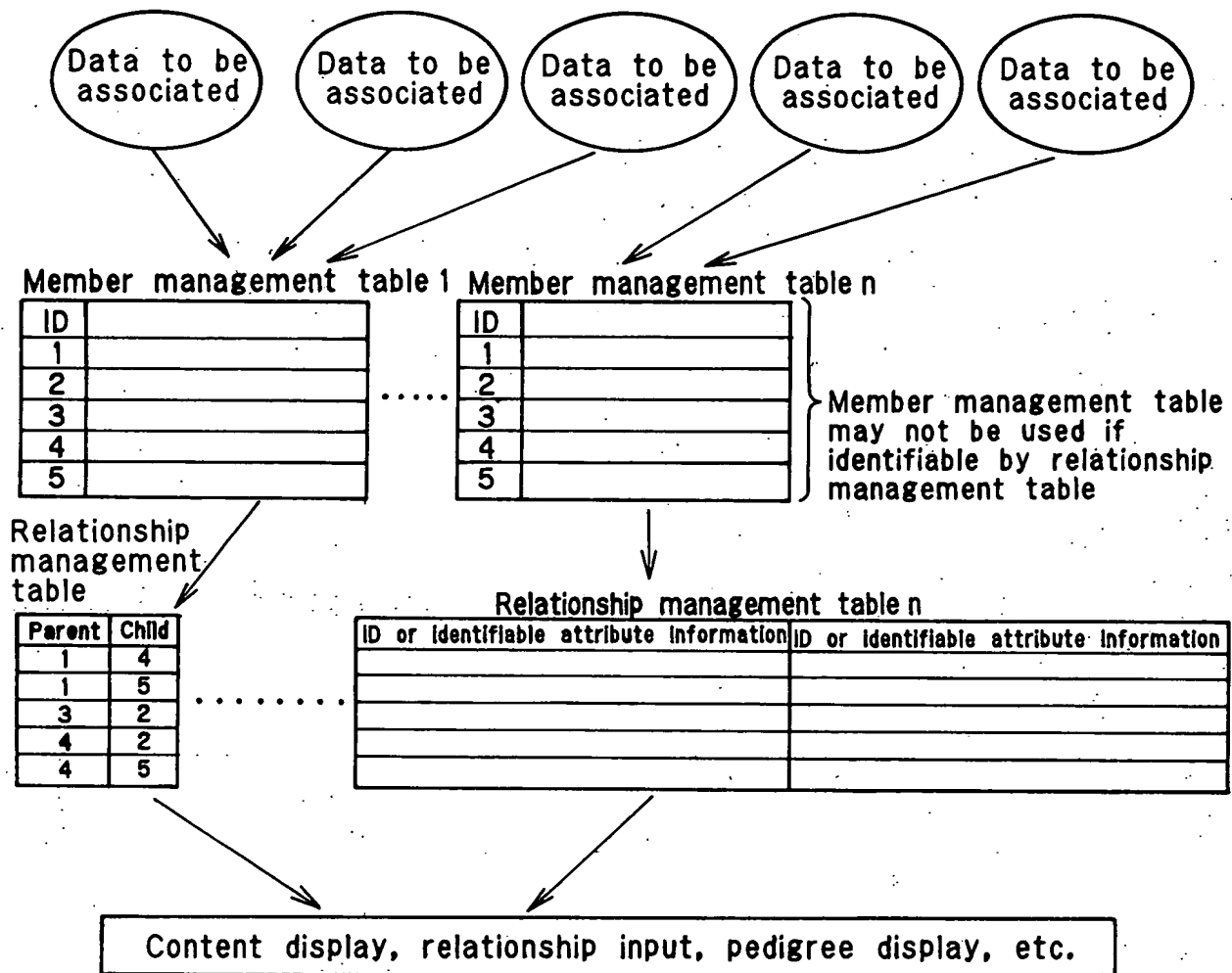
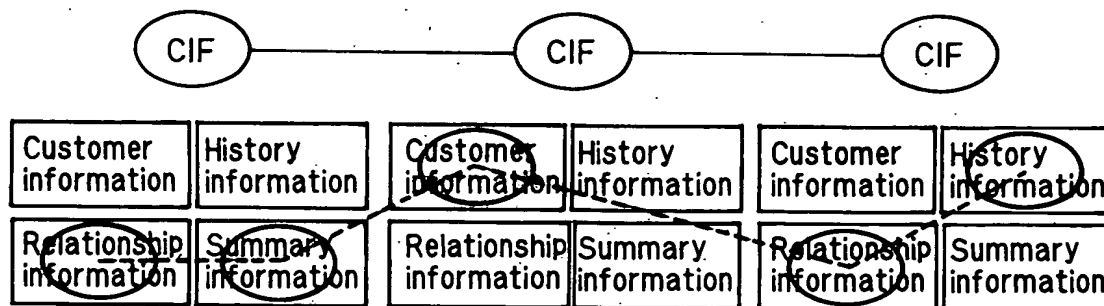


FIG. 19(B)



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FIG. 20

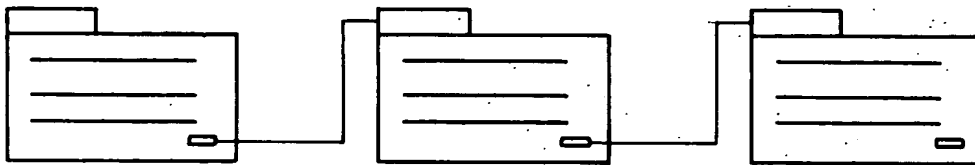
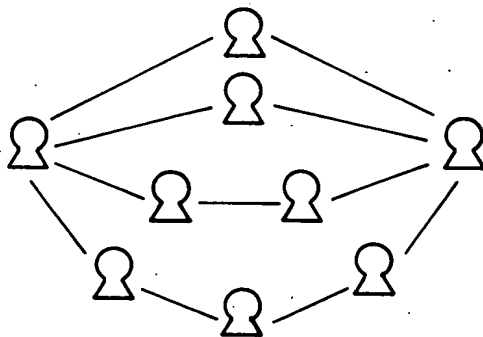


FIG. 42



In the case shown
at left

Relative of the second
degree (1)

Relative of the second
degree (2)

Relative of the third
degree (1)

Relative of the fourth
degree (1)

FIG. 21

In case members are aligned in the order of parents

Parent	Child	Relationship
A	B	Friend
A	D	Family member
C	A	Colleague
D	B	Fishing friend
D	E	Fishing friend

In case members are aligned in the order of children

Parent	Child	Relationship
C	A	Colleague
A	B	Friend
D	B	Fishing friend
A	D	Family member
D	E	Fishing friend



FIG. 22

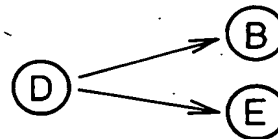
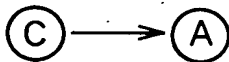
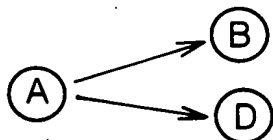


FIG. 23

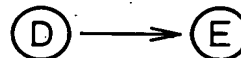
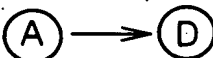
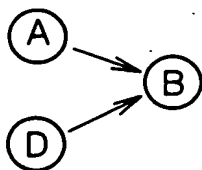
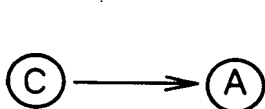
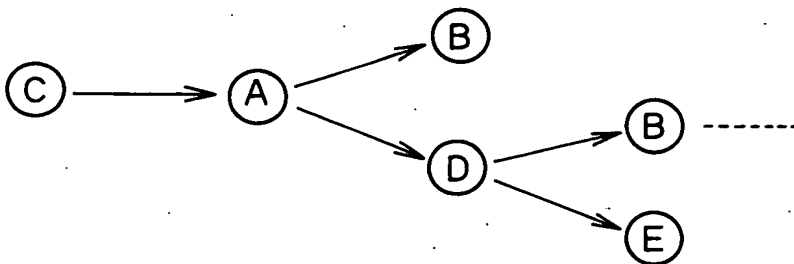


FIG. 24



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FIG. 25

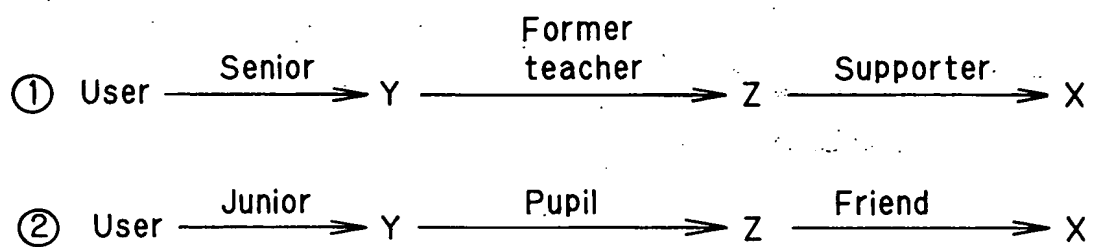
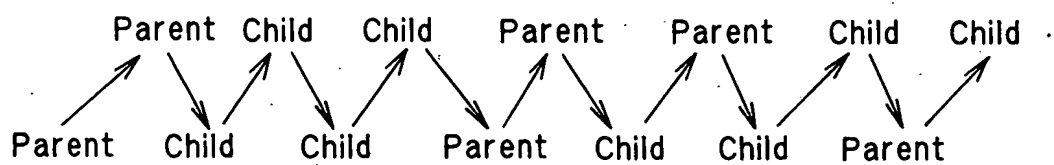


FIG. 26



2023 - 01-01

Search for Relationship

Kaishu Katou

Shojiro Goto

Search for relationships in **closest level**

© Display closest relationship ○ Display all relationship

2nd degree(1)

Kaishu Katsu

☐ Pupil → Ryoma Sakamoto
 Prtpr ← Shojiro Goto

Red : Parent member Blue : Child member

Detail

Print

OK

Back

FIG. 29

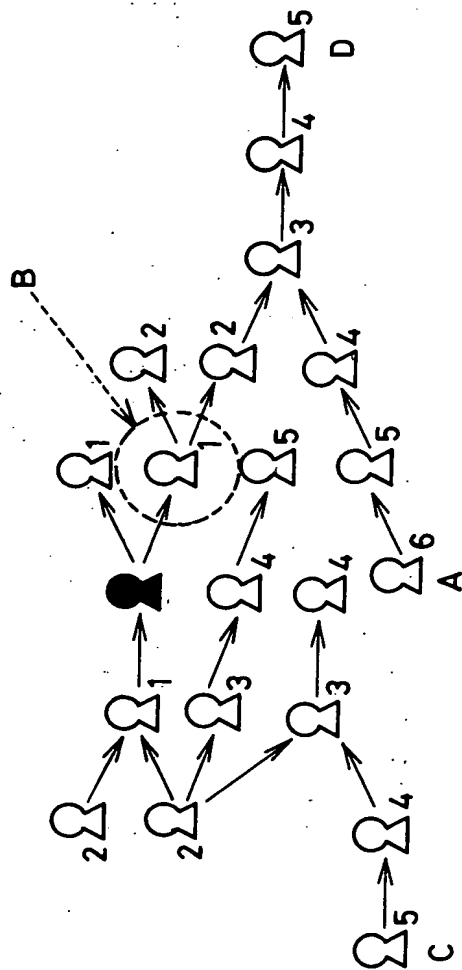
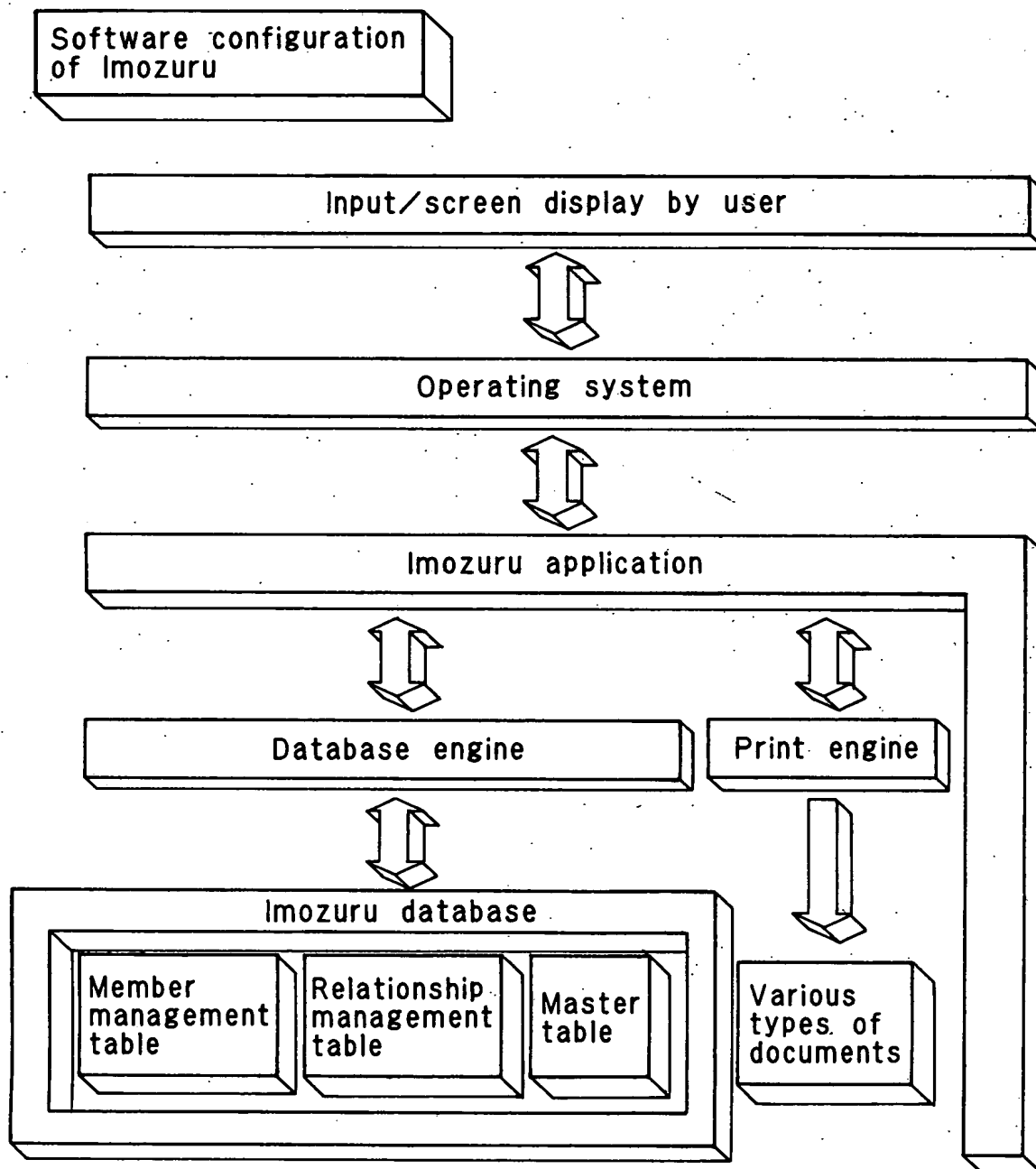


FIG. 30



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FIG. 31
"EFFECT" OF "FEED"

Pedigree-like Personal Relationship Management System - "IMOZURU-KUN"

ALL

AB

CD

EFG

HIJ

JKL

MN

OP

QR

STU

V-Z

Symb

Cond

	Per / Com	Name1	Name2	Phone	Address1
1	Person	Hirafumi Ito	Ito Hirafumi	xxx-xxx-xxxx	Choshu
2	Company	Irohamaru	Irohamaru		
3	Person	Tomomi Iwakura	Iwakura Tomomi		Kyoto
4	Company	Tokugawa Shogu	Shogumata Tokug		Chiyo-da-ku Tok
5	Person	Toshimichi Okub	Okubo Toshimich		Satsuma
6	Person	Kozukenosuke O	Oguri Kozukenos		Surugadai Edo
7	Person	Kaishu Katsu	Katsu Kaishu	xxx-xxx-xxxx	Hikawa Edo
8	Person	Kogoro Katsura	Katsura Kogoro	xxx-xxx-xxxx	Hagi Choshu
9	Company	Kameyamabach	Kameyamabach	xxx-xxx-xxxx	
10	Person	Shojiro Goto	Goto Shojiro		Kochi Tosa
11	Person	Takamori Saigo	Saigo Takamori		Satsuma
12	Person	Ryoma Sakamoto	Sakamoto Ryoma	xxx-xxx-xxxx	Kochi
13	Person	Shozan Sakuma	Sakuma Shozan	xx-xxx-xxxx	Shinshu
14	Person	Riemon Shibuta	Shibuta Riemon	xx-xxx-xxxx	Hokkaido
15	Company	Shinsengumi	Shinsengumi		Kyoto
16	Person	Shinsaku Takasu	Takasugi Shinsak	xxx-xx-xxxx	Choshu
17	Person	Yoshinobu Tokug	Tokugawa Yoshin	xxx-xxx-xxxx	Mito
18	Person	Katamori Matsun	Matsumura Kaba	xxx-xxx-xxxx	Kyoto
19	Person	Hachiro Mitsuok	Mitsuoka Hachir	xx-xxx-xxxx	Echizen
20	Person	Shonan Yokoi	Yokoi Shonan		Higo
21	Person	Shoin Yoshida	Yoshida Shoin		Nagato

Close "IMOZURU-KUN"

Pedigree-like Personal Relationship Management System

いもづる君®

Professional Ver.2.1.0

Management

Add Member

Modify

Delete

Input relationship

Display link tree

Basic Data

Configuration

Environment

FIG. 32

Register / Modify Member detail	
<input type="radio"/> Person <input checked="" type="radio"/> Company	
Name1 Ryoma Sakamoto	<input checked="" type="checkbox"/> Secret
Name2 Sakamoto Ryoma	<input checked="" type="checkbox"/>
Sex <input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> N/A	
Zip xxx-xxx	Mail to: <input checked="" type="checkbox"/> Not Mail
Home Address Tosa Kochi	
Phone xxx-xxxx-xxxx	Facsimile xxx-xxxx-xxxx
Cel. Phone xxx-xxxx-xxxx	
BOX Most Important	
Birthday 1835/11/15 (Age 166)	
Class 030301	Representative Nagasaki-Company
E-mail xxx@xxx.ne.jp	
URL www.xxxxx.ne.jp	
<input type="button" value="Print"/> <input type="button" value="Relation"/> <input type="button" value="Delete"/> <input type="button" value="New Mem"/>	<input type="button" value="History"/> <input type="button" value="Back"/>

Registration date & time	
Registration date 2000/10/24	Modification date & time 2001/09/05 09:49:10

Image	
d:\xxxx\xxxx\xxxx.bmp	

Company	
Kameyamashachu	<input type="button" value="Company"/>
Department	<input type="button" value="Department"/>
Direct line	Extention
Position	<input type="button" value="Position"/>
Custom1 01-001	
Custom2 1867/11/15	

FIG. 33

Register BOX Code

0Q0 N/A

0Q2 Movals

0Q3 Real estate

1A1 Most Important

1A2 Important

1A3 Special

1B1 Branch Chief

1B2 Regional Chief

BOX Code

BOX Name

1A2

Important

Delete

OK

Back

FIG. 34

Modify priority of BOX

Old

Priority	BOX	Name of class
1	0Q0	N/A
2	0Q2	Movale
3	0Q3	Real estate
4	1A1	Most Important
5	1A2	Important
6	1A3	Special
7	1B1	Branch Chief
8	1B2	Regional Chief
9	1C1	General
10	2A1	Sp-A Strang

Add →

☐ Upper of current
☒ End of list

Return ←

New

Priority	Before	BOX	Name of class

OK

Back

2044FD" 2F2E400F
FIG. 36

Register Relationship Classification

For Modification data, double-click or type relationship classification code.

000	N/A	N/A
002	Same Member	Same
003	Representative	Rep
004	Belonging Organization	Org
005	Fellow	Fl
006	Pupil	Pupil
007	Introducer	Intz
008	Friend	Fnd
009	Servant	Srvnt

Relate Code

005

Relate Code Name

Fellow

Abbrev. Name

Fl

Delete

OK

Back

FIG. 37

Modify priority of Relationship Classification

Old

Priority	Code	Code Name	Abbrev
1	000	N/A	N/A
2	002	Same Member	Same
3	003	Representative	Rep
4	004	Belonging Organ	Org
5	005	Fellow	Fl
6	006	Pupil	Pupil
7	007	Introducer	Intr
8	008	Friend	Fnd
9	009	Servant	Srvnt

Add —

☐ Upper of current
☒ End of list

Return —

New

Priority

Before

Code

Code Name


Abbrev

OK

Back

Register Relationship

<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Base member <div style="border: 1px solid black; padding: 2px;">Ryoma Sakamoto</div><div style="border: 1px solid black; padding: 2px;">Sakamoto Ryoma</div><div style="border: 1px solid black; padding: 2px;">Tosa</div></div><div style="width: 45%;">BOX Most Important <div style="border: 1px solid black; height: 20px;"></div><div style="border: 1px solid black; height: 20px;"></div><div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Phone xx-xxxx-xxxx <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">Facsimile <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"> from Parent</div><div style="text-align: center;">Relationship to Child</div><div style="text-align: center;"></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Object member <div style="border: 1px solid black; padding: 2px;">Hachiro Mitsuoka</div><div style="border: 1px solid black; padding: 2px;">Mitsuoka Hachiro</div><div style="border: 1px solid black; padding: 2px;">Echizen</div></div><div style="width: 45%;">BOX Medium <div style="border: 1px solid black; height: 20px;"></div><div style="border: 1px solid black; height: 20px;"></div><div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Notes of parent <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">Notes of child <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Notes of relationship <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">Introducing date <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Common Anniversary <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">Notes date <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">P to C Degree <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">C to P Degree <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Degree of Friendship <div style="border: 1px solid black; height: 20px;"></div></div><div style="width: 45%;">Relate-Custom1 <div style="border: 1px solid black; height: 20px;"></div></div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Reset Relate</div><div style="width: 45%;">Revise Relate</div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Switch Obj</div><div style="width: 45%;">Print relate</div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Detail</div><div style="width: 45%;">Back</div></div>	
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="width: 45%;">Chart</div><div style="width: 45%;">Relate-Custom2 <div style="border: 1px solid black; height: 20px;"></div></div></div>	

	Base member	BOX	Most Important
	Ryoma Sakamoto		
	Sakamoto Ryoma		
	Tosa		
	Phone xx-xxx-xxxx	Facsimile	

↓	Relationship	from Parent (A) to Child (B)	Switch P/C
(B)	Object member	BOX	000 N/A
	Hachiro Mitsuoka		000 N/A
	Mitsuoka Hachiro		002 Same
	Echizen		003 Rep
			004 Org
			005 FU
			007 Intr
			008 Prad
			009 Svrat

	Paro Chi	Religion	Name 1	Name 2
1	Child	boy	Hachiro Mitsuoka	Mitsunaka Hachiro
2	N/A		Katanori Mitsuoka	Matsudaire Katam

Notes of parent	
Notes of Child	
Notes of Relationship	
Introducing date	
Common Anniversary	
Notes date	
P to C Degree	
C to P Degree	
Degree of Friendship	
Relate-Custom1	
Relate-Custom2	
<div>Reset Relate</div> <div>Revise Relate</div>	

Chart Detail Switch Obj Print relate Back

FIG. 39

Chart for Introduction of Relationship - Parent, Child, Grandchild

Parent Member

Name	Link
Kameyamashac	Rep
Kaishu Katsu	Pupil
Shozan Yokoi	Pupil
Shojiro Goto	Prmr

Base Member

Ryoma Sakamoto

Sakamoto Ryoma

xxx-xxxx

Tosa

xxx-xxx-xxxx

Child Member

Link	Name
Intr	Takanori Saigo
Intr	Hachiro Mitsuoka
Fnd	Kogoro Katsura

Grandchild

Link	Name
Fnd	Toshimichi Okubo
Intr	Kaishu Katsu
Prmr	Kogoro Katsura

Detail

Change Object

Link-Search

Closest 5 degrees

Back

FIG. 40

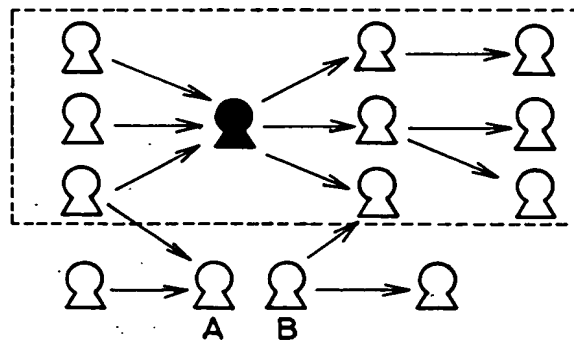


FIG. 41

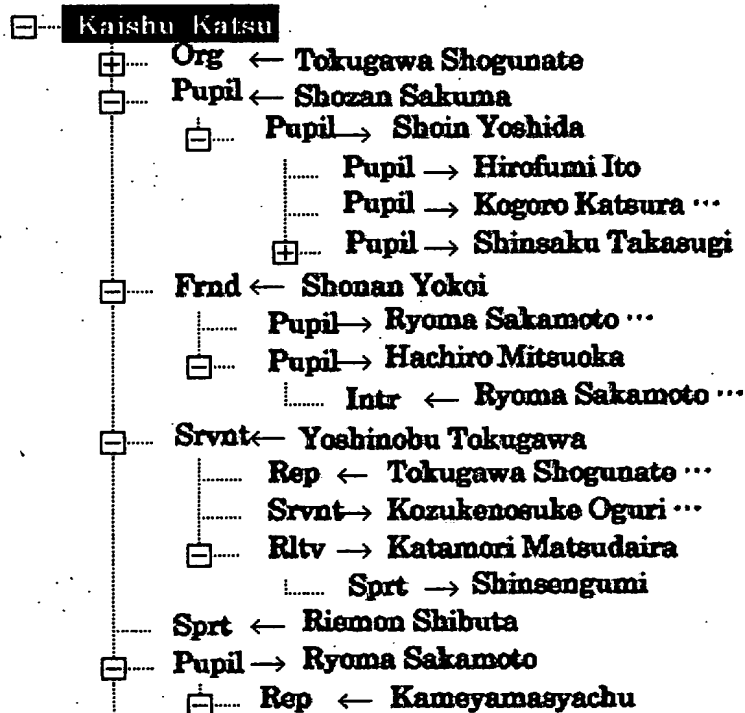


FIG. 43

Relationship management table (KKT)

ID	Parent	Child	Relationship classification
1	A	B	XXX
2	A	C	XXX
3	B	C	XXX
4	C	D	XXX
5	D	A	XXX

There may be arbitrary additional formation

Relationship vector table (KVT)

ID	Origin	Destination	Relationship classification	Time	Position	Differentiation	KKT-ID
1	A	C	XXX	XXX	XXX	XXX	XXX	2
2	A	C	XXX	XXX	XXX	XXX	XXX	2
3	C	A	XXX	XXX	XXX	XXX	XXX	2
4	B	C	XXX	XXX	XXX	XXX	XXX	3
5	B	C	XXX	XXX	XXX	XXX	XXX	3
6	C	B	XXX	XXX	XXX	XXX	XXX	3
7	C	B	XXX	XXX	XXX	XXX	XXX	3
8	C	B	XXX	XXX	XXX	XXX	XXX	3
9	A	D	XXX	XXX	XXX	XXX	XXX	5
10	A	D	XXX	XXX	XXX	XXX	XXX	5

Arbitrary additional information

FIG. 44

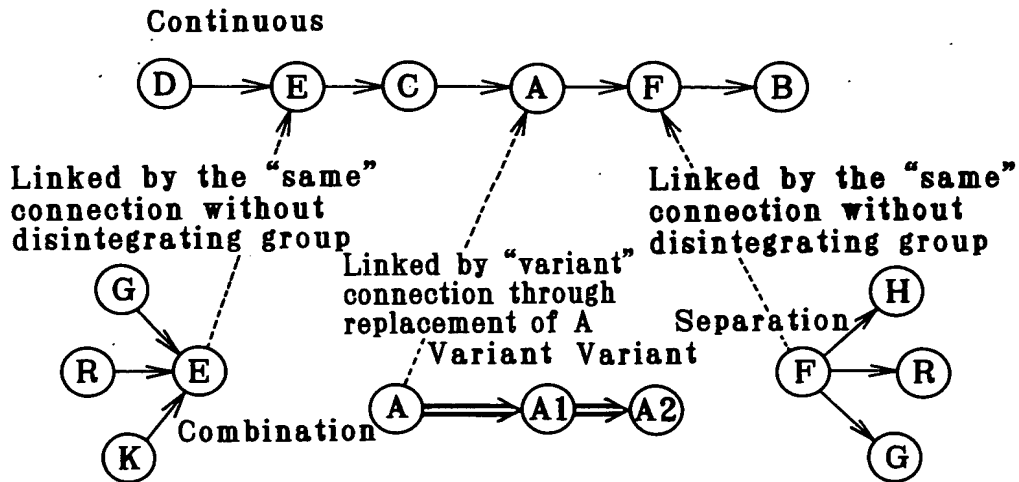


FIG. 45

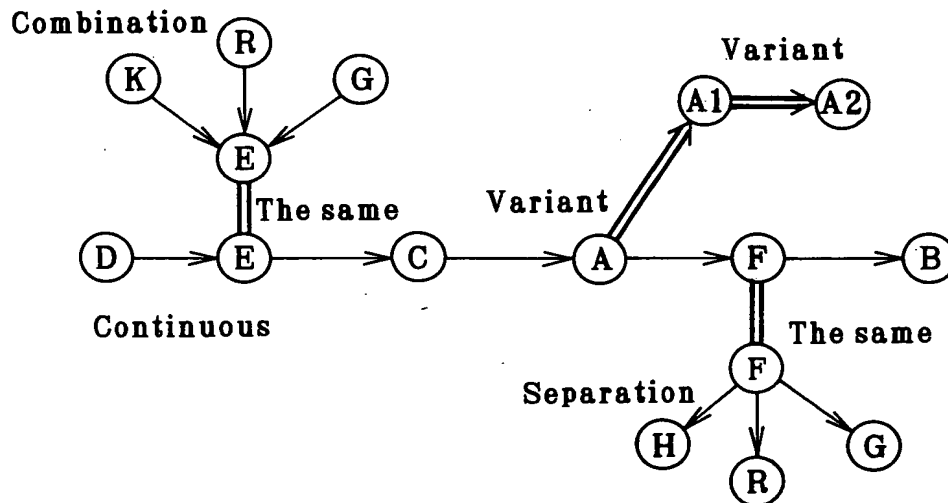


FIG. 46

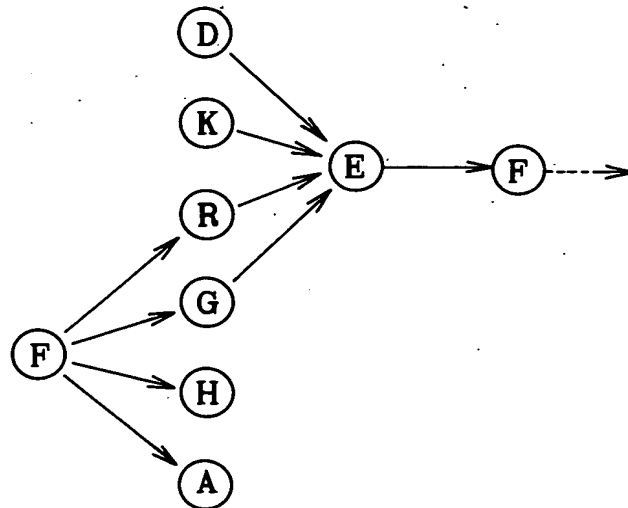


FIG. 47

